BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work:Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur

BYATARAYANAPURA DIVISION

PRE-MEASUREMENTS

Scanned by CamScanner

Name of work: Improvements to Roads And Drains at Kalidasa and Bhagat Singh Layout and Surrounding Area in Ward No.05 Jakkur

PRE MEASUREMENTS

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.								
	For RCC Drain								
	Main Road From Kattigenahalli Main Road								
	RHS								
		1	30.00	1.40	1.40	1.40	0.90	37.80	
		1	20.00	1.40	1.40	1.40	0.90	25.20	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	26.00	1.10	1.10	1.10	0.90	25.74	
	Length Continued								
		1	15.60	1.10	1.10	1.10	0.90	15.44	
	Cross Road-1 Towards Main Road								
	RHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	26.70	1.10	1.10	1.10	0.90	26.43	
	Cross Road-2 From Dead End to Lake								
	LHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	29.50	1.10	1.10	1.10	0.90	29.21	
	Length Continued								
		1	24.30	1.10	1.10	1.10	0.90	24.06	
		1	11.60	1.10	1.10	1.10	0.90	11.48	
		1	30.00	1.10	1.10	1.10	1.40	46.20	
		1	30.00	1.10	1.10	1.10	1.40	46.20	
		1	18.00	1.10	1.10	1.10	1.40	27.72	
	Length Continued								
		1	30.00	1.10	1.10	1.10	1.40	46.20	
		1	30.00	1.10	1.10	1.10	1.40	46.20	
		1	8.30	1.10	1.10	1.10	1.40	12.78	
	Length Continued								
		1	11.20	1.10	1.10	1.10	1.30	16.02	
	Kattigenahalli								
	Ashwathkatte Opposite Road								
	From Kattigenahalli Main Road to Dead								
	RHS								
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	13.10	1.10	1.10	1.10	0.80	11.53	
	Length Continued								
		1	30.00	1.10	1.10	1.10	0.75	24.75	
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	30.00	1.10	1.10	1.10	0.75	24.75	669.31

Scanned by CamScanner

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
		1	14.00	1.10	1.10	1.10	0.75	11.55	
	LHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	17.10	1.10	1.10	1.10	0.90	16.93	
	Cross Road-3 from Ashwath Katte Opposite Road								
	RHS								
		1	30.00	1.10	1.10	1.10	0.75	24.75	
		1	1.00	1.10	1.10	1.10	0.75	0.83	
	Length Continued								
		1	30.00	1.10	1.10	1.10	0.85	28.05	
		1	17.00	1.10	1.10	1.10	0.85	15.90	
	Length Continued								
		1	14.00	1.10	1.10	1.10	0.75	11.55	
	LHS								
		1	30.00	1.10	1.10	1.10	0.75	24.75	
		1	27.80	1.10	1.10	1.10	0.75	22.94	
	Cross Road-4 from Cross Road-3 to Kattigenahalli Main Road								
	House No#96								
	LHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	10.00	1.10	1.10	1.10	0.90	9.90	
	RHS								
		1	22.00	1.10	1.10	1.10	0.90	21.78	
	Length Continued	1	24.80	1.10	1.10	1.10	0.90	24.55	
	Gully Road towards Kattigenahalli								
	LHS	1	8.00	1.10	1.10	1.00	0.75	6.00	
		1	14.70	1.10	1.10	1.00	0.75	11.03	
		1	7.50	1.10	1.10	1.00	0.75	5.63	
		1	27.50	1.10	1.10	1.00	0.75	20.63	
	Length Continued								
		1	5.20	1.10	1.10	1.10	0.90	5.15	
		1	2.30	1.10	1.10	1.10	0.90	2.28	
		1	8.30	1.10	1.10	1.10	0.90	8.22	
	8th Cross From Main Road to Dead								
	LHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	17.40	1.10	1.10	1.10	0.90	17.23	
	For RCC Culvert								
	Main Road From Kattigenahalli Main Road								
	RHS	1	6.20	1.80	1.80	1.80	0.90	10.04	
	Cross Road-2 From Dead End to Lake								
	LHS	1	6.20	1.80	1.80	1.80	0.90	10.04	
		1	7.40	1.80	1.80	1.80	1.70	22.64	
		1	8.00	1.80	1.80	1.80	1.70	24.48	
	Kattigenahalli								
	Ashwathkatte Opposite Road								
	RHS	1	4.30	1.80	1.80	1.80	0.80	6.19	

Scanned by CamScanner

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
		1	5.10	1.80	1.80	1.80	0.80	7.34	
	Cross Road-3 from Ashwath Katte Opposite Road								
	RHS	1	3.30	1.80	1.80	1.80	0.80	4.75	
	Gully Road towards Kattigenahalli Main Road								
	LHS	1	3.70	1.80	1.80	1.80	0.85	5.66	
	8th Cross Road								
		1	7.40	1.80	1.80	1.80	1.00	13.32	
	Culvert at 7th Cross	1	7.00	2.00	2.00	2.00	1.00	14.00	
	Kattigenahalli Main Road								
		1	9.20	2.00	2.00	2.00	1.20	22.08	
	Viven Trails Building Opposite road								
		1	6.50	2.00	2.00	2.00	1.00	13.00	80.16
							Present Qty =	**1231.28**	**Cum**

Assistant Engineer
Ward No.05

Assistant Executive Engineer
Bytarayanapura Sub-Division

2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.								
	For RCC Drain								
	Main Road From Kattigenahalli Main Road								
	RHS								
		1	30.00	1.40	1.40	1.40	0.15	6.30	
		1	20.00	1.40	1.40	1.40	0.15	4.20	
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	26.00	1.10	1.10	1.10	0.15	4.29	
	Length Continued								
		1	15.60	1.10	1.10	1.10	0.15	2.57	
	Cross Road-1 Towards Main Road								
	RHS								
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	26.70	1.10	1.10	1.10	0.15	4.41	
	Cross Road-2 From Dead End to Lake								
	LHS								
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	29.50	1.10	1.10	1.10	0.15	4.87	
	Length Continued								
		1	24.30	1.10	1.10	1.10	0.15	4.01	
		1	11.60	1.10	1.10	1.10	0.15	1.91	52.36

Scanned by CamScanner

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	18.00	1.10	1.10	1.10	0.15	2.97	
	Length Continued								
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	8.30	1.10	1.10	1.10	0.15	1.37	
	Length Continued								
		1	11.20	1.10	1.10	1.10	0.15	1.85	
	Kattigenahalli								
	Ashwathkatte Opposite Road								
	From Kattigenahalli Main Road to Dead								
	RHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	13.10	1.00	1.00	1.00	0.15	1.97	
	Length Continued								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	14.00	1.00	1.00	1.00	0.15	2.10	
	LHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	17.10	1.00	1.00	1.00	0.15	2.57	
	Cross Road-3 from Ashwath Katte Opposite Road								
	RHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	1.00	1.00	1.00	1.00	0.15	0.15	
	Length Continued								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	17.00	1.00	1.00	1.00	0.15	2.55	
	Length Continued								
		1	14.00	1.00	1.00	1.00	0.15	2.10	
	LHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	27.80	1.00	1.00	1.00	0.15	4.17	
	Cross Road-4 from Cross Road-3 to Kattigenahalli Main Road								
	House No#96								
	LHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	10.00	1.00	1.00	1.00	0.15	1.50	
	RHS								
		1	22.00	1.00	1.00	1.00	0.15	3.30	
	Length Continued	1	24.80	1.00	1.00	1.00	0.15	3.72	

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ

Scanned by CamScanner

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
	Gully Road towards Kattigenahalli Main Road								
	LHS	1	8.00	1.00	1.00	1.00	0.15	1.20	
		1	14.70	1.00	1.00	1.00	0.15	2.21	
		1	7.50	1.00	1.00	1.00	0.10	0.75	
		1	27.50	1.00	1.00	1.00	0.15	4.13	
	Length Continued								
		1	5.20	1.00	1.00	1.00	0.10	0.52	
		1	2.30	1.00	1.00	1.00	0.15	0.35	
		1	8.30	1.00	1.00	1.00	0.10	0.83	
	8th Cross From Main Road to Dead End								
	LHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	17.40	1.00	1.00	1.00	0.15	2.61	
	For RCC Culvert								
	Main Road From Kattigenahalli Main Road								
	RHS	1	6.20	1.80	1.80	1.80	0.15	1.67	
	Cross Road-2 From Dead End to Lake								
	LHS	1	6.20	1.80	1.80	1.80	0.15	1.67	
		1	7.40	1.80	1.80	1.80	0.15	2.00	
		1	8.00	1.80	1.80	1.80	0.15	2.16	
	Kattigenahalli								
	Ashwathkatte Opposite Road								
	RHS	1	4.30	1.80	1.80	1.80	0.15	1.16	
		1	5.10	1.80	1.80	1.80	0.15	1.38	
	Cross Road-3 from Ashwath Katte Opposite Road								
	RHS	1	3.30	1.80	1.80	1.80	0.15	0.89	
	Gully Road towards Kattigenahalli Main Road								
	LHS	1	3.70	1.80	1.80	1.80	0.15	1.00	
	8th Cross Road								
		1	7.40	1.80	1.80	1.80	0.15	2.00	
	Culvert at 7th Cross	1	7.00	1.80	1.80	1.80	0.15	1.89	
	Kattigenahalli Main Road								
		1	9.20	1.80	1.80	1.80	0.15	2.48	
	Viven Trails Building Opposite road								
		1	6.50	1.80	1.80	1.80	0.15	1.76	
							Present Qty =	**184.61**	**Cum**

184.62

19/8/19

Assistant Engineer
Ward No.05

19/8/2019

Assistant Executive Engineer
Bytarayanapura Sub-Division

Scanned by CamScanner

Item No	Description of Item	No	No of Bars	Cutting Length of Bar	Total Length of Bar in Mtr	Weight/ Mtr in Kgs		Total Wt in Kg's	Unit
4	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 TMT Bars Fe-500								
	For RCC Drain								
	Kattigenahalli								
	Main Road From Kattigenahalli Main Road								
	RHS								
	Total length of drain =50.00								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	375	2.40	900.00	0.62		558.00	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	17	56.00	952.00	0.40		380.80	
	Total length of drain =56.00								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	375	2.10	787.50	0.62		488.25	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	15	56.00	840.00	0.40		336.00	
	Total length of drain =15.60								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	105	2.15	225.75	0.62		139.97	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	16	15.60	249.60	0.40		99.84	
	Cross Road-1 Towards Main Road								
	RHS								
	Total length of drain =60.00								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	400	2.10	840.00	0.62		520.80	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	15	60.00	900.00	0.40		360.00	
	Total length of drain =26.70								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	178	2.30	409.40	0.62		253.83	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	17	26.70	453.90	0.40		181.56	
	Cross Road-2 From Dead End to Lake								
	LHS								
	Total length of drain =59.50								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	476	2.10	999.60	0.62		619.75	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	15	59.50	892.50	0.40		357.00	

Scanned by CamScanner

Item No	Description of Item	No	No of Bars	Cutting Length of Bar	Total Length of Bar in Mtr	Weight/ Mtr in Kgs		Total Wt in Kg's	Unit
	Total length of drain =24.30								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	162	2.10	340.20	0.62		210.92	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	18	24.30	437.40	0.40		174.96	
	Total length of drain =11.60								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	79	2.10	165.90	0.62		102.86	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	15	11.60	174.00	0.40		69.60	
	Total length of drain =30.00								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	201	2.50	502.50	0.62		311.55	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	18	30.00	540.00	0.40		216.00	
	Double Matt								
	Total length of drain =48.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	2	384	3.20	2457.60	0.62		1523.71	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	27	48.00	2592.00	0.62		1607.04	
	Total length of drain =68.30								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	2	548	3.20	3507.20	0.62		2174.46	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	27	68.30	3688.20	0.62		2286.68	
	Total length of drain =11.20								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	2	91	3.20	582.40	0.62		361.09	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	27	11.20	604.80	0.62		374.98	
	Ashwathkatte Opposite Road								
	RHS								
	Total length of drain =43.10								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	345	1.65	569.25	0.62		352.94	
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	15	43.10	646.50	0.40		258.60	
	Total length of drain =104.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	832	1.65	1372.80	0.62		851.14	
	Distrubution Bars 8mm dia@125mm c/c							10876.53	

Scanned by CamScanner

Item No	Description of Item	No	No of Bars	Cutting Length of Bar	Total Length of Bar in Mtr	Weight/ Mtr in Kgs		Total Wt in Kg's	Unit
	0.40kg/mtr	1	15	104.00	1560.00	0.40		624.00	
	LHS								
	Total length of drain =47.10								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	377	1.65	622.05	0.62		385.67	
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	15	47.10	706.50	0.40		282.60	
	Cross Road-3 from Ashwath Katte Opposite Road								
	RHS								
	Total length of drain =31.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	248	1.65	409.20	0.62		253.70	
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	15	31.00	465.00	0.40		186.00	
	Total length of drain =47.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	377	1.70	640.90	0.62		397.36	
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	15	47.00	705.00	0.40		282.00	
	Total length of drain =14.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	113	1.70	192.10	0.62		119.10	
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	15	14.00	210.00	0.40		84.00	
	LHS								
	Total length of drain =57.80								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	464	1.55	719.20	0.62		445.90	
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	14	57.80	809.20	0.40		323.68	
	Cross Road-4								
	LHS								
	Total length of drain =70.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	563	1.90	1069.70	0.62		663.21	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	16	70.00	1120.00	0.40		448.00	
	RHS								
	Total length of drain =22.00								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	148	1.90	281.20	0.62		174.34	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	14	22.00	308.00	0.40		123.20	

4792.78

Scanned by CamScanner

Item No	Description of Item	No	No of Bars	Cutting Length of Bar	Total Length of Bar in Mtr	Weight/ Mtr in Kgs		Total Wt in Kg's	Unit
	Total length of drain =22.00								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	167	1.90	317.30	0.62		196.73	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	14	24.80	347.20	0.40		138.88	
	Gully Road								
	LHS								
	Total length of drain =57.70								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	386	1.60	617.60	0.62		382.91	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	12	57.70	692.40	0.40		276.96	
	Total length of drain =15.80								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	107	2.00	214.00	0.62		132.68	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	15	15.80	237.00	0.40		94.80	
	8th Cross Road								
	LHS								
	Total length of drain =47.40								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	317	2.00	634.00	0.62		393.08	
	Distrubution Bars 8mm dia@150mm c/c								
	0.40kg/mtr	1	15	47.40	711.00	0.40		284.40	
	Double Mat								
	For RCC Culverts								
	Kattigenahalli								
	Main Road From Kattigenahalli Main Road								
	Total length of Culvert-1 =6.20 Mtr								
	Main Bars 12mm dia @ 125mm c/c								
	0.89kg/mtr	2	53	2.10	222.60	0.89		198.11	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	18	6.20	223.20	0.62		138.38	
	Cross Road-2								
	Total length of Culvert-1 =6.20 Mtr								
	Main Bars 12mm dia @ 125mm c/c								
	0.89kg/mtr	2	53	2.10	222.60	0.89		198.11	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	18	6.20	223.20	0.62		138.38	
	Total length of Culvert-1 =7.40 Mtr							2573.43	
	Main Bars 12mm dia @ 125mm c/c								

Scanned by CamScanner

Item No	Description of Item	No	No of Bars	Cutting Length of Bar	Total Length of Bar in Mtr	Weight/ Mtr in Kgs		Total Wt in Kg's	Unit
	0.89kg/mtr	2	62	3.40	421.60	0.89		375.22	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	29	7.40	429.20	0.62		266.10	
	Total length of Culvert-1 =8.00 Mtr								
	Main Bars 12mm dia @ 125mm c/c								
	0.89kg/mtr	2	67	3.40	455.60	0.89		405.48	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	29	8.00	464.00	0.62		287.68	
	Ashwathkatte Opposite Road								
	Total length of Culvert-1 =4.30 Mtr								
	Main Bars 12mm dia @ 150mm c/c								
	0.89kg/mtr	2	30	2.10	126.00	0.89		112.14	
	Distrubution Bars 10mm dia@150mm c/c								
	0.62kg/mtr	2	15	4.30	129.00	0.62		79.98	
	Total length of Culvert-1 =5.10 Mtr								
	Main Bars 12mm dia @ 150mm c/c								
	0.89kg/mtr	2	35	2.10	147.00	0.89		130.83	
	Distrubution Bars 10mm dia@150mm c/c								
	0.62kg/mtr	2	15	5.10	153.00	0.62		94.86	
	Cross Road-3								
	Total length of Culvert-1 =3.30 Mtr								
	Main Bars 12mm dia @ 150mm c/c								
	0.89kg/mtr	2	23	2.10	96.60	0.89		85.97	
	Distrubution Bars 10mm dia@150mm c/c								
	0.62kg/mtr	2	15	3.30	99.00	0.62		61.38	
	Gully Road								
	Total length of Culvert-1 =3.70 Mtr								
	Main Bars 12mm dia @ 150mm c/c								
	0.89kg/mtr	2	26	2.10	109.20	0.89		97.19	
	Distrubution Bars 10mm dia@150mm c/c								
	0.62kg/mtr	2	15	3.70	111.00	0.62		68.82	
	8th Cross Road								
	Total length of Culvert-1 =7.40 Mtr								
	Main Bars 12mm dia @ 150mm c/c								
	0.89kg/mtr	2	51	2.10	214.20	0.89		190.64	
	Distrubution Bars 10mm dia@150mm c/c								
	0.62kg/mtr	2	15	7.40	222.00	0.62		137.64	
	7th Cross Road							2393.94	
	Total length of Culvert-1 =3.70 Mtr								

Scanned by CamScanner

Item No	Description of Item	No	No of Bars	Cutting Length of Bar	Total Length of Bar in Mtr	Weight/ Mtr in Kgs		Total Wt in Kg's	Unit
	Main Bars 12mm dia @ 150mm c/c								
	0.89kg/mtr	2	48	2.40	230.40	0.89		205.06	
	Distrubution Bars 10mm dia@150mm c/c								
	0.62kg/mtr	2	17	7.00	238.00	0.62		147.56	
	Kattigenahalli Main Road								
	Total length of Culvert-1 =9.20 Mtr								
	Main Bars 12mm dia @ 150mm c/c								
	0.89kg/mtr	2	63	2.70	340.20	0.89		302.78	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	19	9.20	349.60	0.62		216.75	
	Viven Trails Building Opposite road								
	Total length of Culvert-1 =6.50 Mtr								
	Main Bars 12mm dia @ 150mm c/c								
	0.89kg/mtr	2	45	2.40	216.00	0.89		192.24	
	Distrubution Bars 10mm dia@150mm c/c								
	0.62kg/mtr	2	17	6.50	221.00	0.62		137.02	
							Present Qty=	**26133.881**	**Kg**
							Present Qty=	**26.13**	**Tonne**

1201.41

27/8/21

Assistant Engineer
Ward No.05

27/8/2021

Assistant Executive Engineer
Bytarayanapura Sub-Division

Scanned by CamScanner